

Estimated time needed: **30** minutes

- IBM Cloud Account
- GitHub Account
- Watson Studio Service & Project creation

To create Watson service, follow the steps given in the [link](#)

Objectives

- Understand how to connect Watson Studio account with GitHub
- Publish Watson Notebook on GitHub.

Exercise

Task A: Integrating Watson Studio with GitHub

- IBM Cloud


Search resources and products...

Catalog

Manage

Mrutyunjaya Naidu's Ac...

Resource list

Name	Group	Location	Product	Status
<div> <div>Filter by name or IP address...</div> <div>Filter by group or org...</div> <div>Filter...</div> <div>Filter...</div> <div>Filter...</div> </div>				
<div> <div>Compute (0)</div> <div>Containers (0)</div> <div>Networking (0)</div> <div>Storage (1+)</div> <div>AI / Machine Learning (1)</div> <div>Analytics (0)</div> <div>Blockchain (0)</div> <div>Databases (1+)</div> <div>Developer tools (0)</div> </div>				
 Watson Studio-fe	Default	Dallas	Watson Studio	Active

- about:blank

Resource list /

watson-studio ✓ Active [Add tags](#)

Manage

Plan

Watson Studio in Cloud Pak for Data

Watson Studio is one of the core services in Cloud Pak for Data as a Service. Build, deploy and manage AI models, and optimize decisions on IBM Cloud Pak for Data.

Launch in IBM Cloud Pak for Data

IBM Watson Studio in Cloud Pak for Data

IBM Watson Studio is part of science capability of the data

4. Click on the project you have created already. *(If you have not created any project, follow the Watson Studio and project creation from pre-requisites.)*

5. Once you open the project, the page looks like as:

IBM Cloud Pak for Data [Search in your workspaces](#)

[Projects](#) / [Github](#)

Overview [Assets](#) [Jobs](#) [Manage](#)

Assets

Assets that you create with tools show here. See data assets on the Assets page.

[View all](#)

Resource usage

For this month in this project

0 CUH

Readme

Type project notes, reminders, or instructions

Project history

No notification
You will see you

6. Click on **Manage** tab. Select **Service & integrations** and click **Third-Party integrations**.

IBM Watson Studio

Search in your workspaces

Projects / new

OverviewAssetsJobsManage1

Project

General

Access control

Environments

Resource usage

Services & integrations2

Services & integrations

IBM services

Third-party integrations (1)3

Add and manage integrations to external systems or services.

Find integrations

Name

Status

GitHub

Enabl

7. Click on **Connect integration**

IBM Cloud Pak for Data

Search in your workspaces

Projects / Github

OverviewAssetsJobsManage

Project

General

Access control

Environments

Resource usage

Services & integrations

Services & integrations

IBM services

Third-party integrations

Add and manage integrations to external systems or services.

Find integrations

Name

Status

8. Select **GitHub** and click **Next**.

about:blank

3/6

Connect Integration



Select the third-party integration you want to add to this project.

☐ Amazon EMR

Amazon EMR is a managed cluster compute service that you can associate with a project in Watson Studio and use to run your notebooks.



GitHub

Connect your project to a Github repo and allow version control to backup your work.

Cancel

Next

9. Then generate Access Token and add it in **Personal access Token**. Once the Access token is added, enter the repository name where you want to push the notebook. Then click on **connect** button.

► [Click here for Generating Access token](#)

10. Once the repository is added successfully, you get a successfully connected message as shown in the screenshot below:

IBM Watson Studio

Search in your workspaces

Projects / Github

OverviewAssetsJobsManage

Project

- General
- Access control
- Environments
- Resource usage
- Services & integrations**

Services & integrations

IBM servicesThird-party integrations (1)

Add and manage integrations to external systems or services.

Find integrations

<input type="checkbox"/>	Name	Status
<input type="checkbox"/>	GitHub	Enabled

Task B: Publish Watson Notebook on GitHub

- 1. Select the notebook you wish to push on to the GitHub, select the up-arrow and click on **Publish on GitHub**.

IBM Watson Studio

Search in your workspaces

Projects / Github / test

FileEditViewInsertCellKernelHelp

Run

Format

Code

Test notebook

In []:

A success message will be popped indicating the name of the repository with the notebook name.ipynb.

Publish on GitHub

✓

The test.ipynb file was published in the niveditha888/testrepo repository. Click #b44676b to view the commit.

Close

2. You can see the notebook test.ipnb which you have published from Watson Studio.

Search or jump to...

Pull requests

Issues

Marketplace

Explore

niveditha888 / testrepo

Public

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

master had recent pushes 6 minutes ago

Compare

master

4 branches

0 tags

Go to file

Add file

This branch is 21 commits ahead of main.

niveditha888

Published from Watson Studio.

b44676b

5 minutes ago

Capstone-assignment	Add files via upload
README.md	Update README.md
Windows 10 Key Info.txt	Add files via upload
firstpython.py	Create firstpython.py
jupyter-labs-spacex-data-collection-...	Published from Watson Studio.
peer1.ipynb	Published from Watson Studio.
test.ipynb	Published from Watson Studio.

README.md

► Important notes

Author

[Niveditha Pandith](#)

Other Contributor(s)

[Malika Singla](#)

Change Log

Date (YYYY-MM-DD)	Version	Changed By	Change Description
2022-05-05	0.1	Niveditha	Created Initial Version
2023-02-07	0.2	Anita Verma	Updated instructions & screenshots

© IBM Corporation 2022. All rights reserved.

about:blank

6/6